



OCTOBER 2015



# @ the Bradbury

Special News & Events



## High-Tech Halloween is coming!

The highly anticipated return of one of our most popular annual events is finally here! The Bradbury runs High-Tech Halloween in conjunction with Los Alamos County's "Trick or Treat on Main Street" activities on Friday, October 30, from 4:00 PM to 6:30 PM. This event never fails to live up to its promise of offering visitors unique science learning opportunities in a spooky and entertaining way. Show up in your costumes to take part in vacuum and nuclear fission demonstrations. Experience a different wavelength in our black-light room. Get pointers on how to create expertly

carved jack-o-lanterns, and enjoy this year's selection. Hear ethereal music performed by vibrating strings. Check out creepy, crawly critters like snakes, spiders, and lizards. This spooktacular event is not to be missed!



### Save the Date!

OCT  
4

**Special Lecture:**  
*Jews in Theory*  
featuring Jack Shlachter  
3:00 PM to 4:00 PM

OCT  
10

**Scientist in the Spotlight**  
*Is the Flu in Your Future?*  
10:00 AM to 12:00 PM

OCT  
12-23

**Ada Lovelace Day Events**

OCT  
15

**Science on Tap**  
5:30 PM to 7:00 PM  
@ UnQuarked Wine Room  
145 Central Park Square  
Los Alamos, New Mexico

OCT  
15

**Women in STEM Panel**  
7:00 PM to 8:30 PM  
@ Mesa Public Library  
2400 Central Avenue  
Los Alamos, New Mexico

OCT  
19-23

**Nuclear Science Week**  
Visit the museum and learn  
about nuclear science

OCT  
30

**High-Tech Halloween**  
4:00 PM to 6:30 PM  
Featuring science adventures,  
creative endeavors, and live  
critters

## Special Lecture: *Jews in Theory*

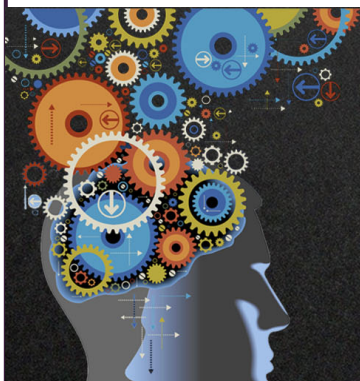


### Jack Shlachter

*Acting Division Leader, T Division,  
Los Alamos National Laboratory;  
Rabbi of the Los Alamos Jewish Center; and  
High Holiday Rabbi for Kehillat Beijing  
Foundation in China*

**Sunday, October 4  
3:00 PM to 4:00 PM**

Bradbury Science Museum Auditorium



## SCIENCE ON TAP

**OCTOBER 15**

**5:30 – 7:00pm**

15-minute talk and group discussion hosted by  
**Bradbury Science Museum**

creative  
LOS ALAMOS

### Phylogenetics and Epidemics

Researchers at the Lab are investigating the complex relationships between the spread of the HIV virus in a population (epidemiology) and the actual, rapid evolution of the virus (phylogenetics) within each patient's body. They are using a new modeling approach that distinguishes between susceptible and infected individuals to capture the full infection history, including contact-tracing data for infected individuals. The uninfected individuals are modeled at a population level and stratified by transmission risk and social group. The social network in this model forms – and can change – during the simulation, so the model is much more realistic than traditional models. In this Science on Tap, principal investigator Thomas Leitner from the Lab's Theoretical Biology and Biophysics Group will discuss this new model.

**Thursday, October 15  
5:30 PM**

UnQuarked Wine Room  
145 Central Park Square  
Los Alamos, NM

Science on Tap happens every  
third Thursday and begins  
with an informal 15-minute  
talk followed by a lively group  
discussion.



## Celebrate Ada Lovelace Day in Los Alamos

Los Alamos cultural institutions have teamed up to present events throughout October to commemorate Ada Lovelace Day, created to celebrate one of the first female computer programmers. For the complete event listing, visit the Los Alamos County Event pages at <http://www.losalamosnm.us/events/Pages/default.aspx>.

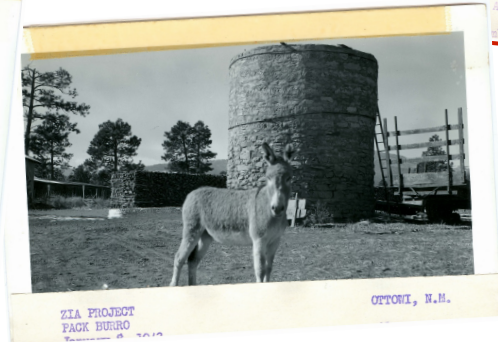
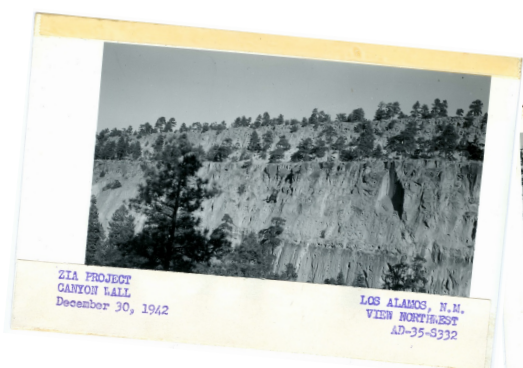
Here are three events that the Bradbury is helping to make possible:

- October 12, 6:30 PM – 8:00 PM: Documentary screening, *Top Secret Rosies*, at Mesa Public Library, 2400 Central Avenue, Los Alamos, New Mexico  
The story of the secret U.S. military program to recruit female mathematicians for the war effort
- October 13, 6:30 PM – 8:00 PM: Caroline Herschel Astronomy Night at White Rock Public Library, 10 Sherwood Boulevard, Los Alamos, New Mexico  
A brief introduction to women's achievements in astronomy and time to look at the stars
- October 15, 7:00 PM – 8:30 PM: Women in STEM Panel at Mesa Public Library, 2400 Central Avenue, Los Alamos, New Mexico  
A conversation with panelists Teri Roberts, Sandy Frost, and Nicole Lloyd-Ronning—all Los Alamos National Laboratory staff members and Bradbury Scientist Ambassadors—about women in science, technology, engineering, and math.

## Collections NEWS

In early September, a package arrived in the mail that contained a donation letter and nearly 100 photos of Los Alamos taken during late 1942. Some of the photos were duplicates of ones we'd seen before, but a few were new to all of us. We were excited to receive this artifact because it may be of use to the Lab's VISIBLE team, who is currently working on apps that let you use your device as a portal to see Los Alamos during the Manhattan Project days.

One photo in particular stood out: Capturing a westward view toward Fuller Lodge, doesn't it seem as if the photographer were standing directly on the site of the future Bradbury Science Museum?



To subscribe to our monthly newsletter, visit the museum's website at:  
[www.lanl.gov/museum/events/events-mailing.shtml](http://www.lanl.gov/museum/events/events-mailing.shtml)

Subscribe  
to our  
Newsletter

## Mark Your Calendars!

# October 2015

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
					A	
4 <b>Special Lecture</b> <i>Jews in Theory</i> 3:00 to 4:00 PM	5	6	7	8	9 B	10 <b>Scientists in the Spotlight</b> 10:00 AM to 12:00 PM
11	12 <b>Ada Lovelace Day Events</b> Oct. 12-23  Columbus Day (observed)	13	14	15 <b>Science on Tap</b> @ UnQuarked 5:30 to 7:00 PM <b>Women in STEM</b> @ Mesa Public Library 7:00 to 8:30 PM	16 A	17
18	19	20	21	22	23 <b>Fourth Fridays Downtown</b> Museum Open Late Until 6:00 PM	24
	<b>Nuclear Science Week</b> Oct. 19-23				B	
25	26	27	28	29	30 <b>High-Tech Halloween</b> 4:00 to 6:30 PM	31 A

## About the Museum

Bradbury Science Museum is located at 1350 Central Avenue in downtown Los Alamos, New Mexico. Approximately 40 interactive exhibits trace the history of the WWII Manhattan Project, highlight Los Alamos National Laboratory's current and historic research projects related to defense and technology, and focus on Laboratory research related to energy, environment, infrastructure, health, and global security concerns.

### MUSEUM HOURS:

Sunday & Monday: 1:00 PM–5:00 PM, Tuesday–Saturday: 10:00 AM–5:00 PM

